CLAIMS

1. (Currently Amended) A printing system comprising:

a printing device for printing on a plurality of printing media in accordance with a plurality of adjustable settings;

a memory to store multiple configurations of the adjustable settings, each configuration of the adjustable settings corresponding to a different printing medium;

an interface; and

a controller for controlling the adjustable settings of the printing device responsive to inputs from the interface, the controller having an on line mode wherein the printing device prints while the adjustable settings are unchanging, and an off line mode for characterizing one or more of the printing media by determining one or more of the corresponding configurations of the adjustable settings;

wherein the controller is adapted to, while in the off line mode,

identify a plurality of first calibration values for a first setting of the adjustable settings through derivation of at least one trigger value, where the derivation includes incrementing the trigger value by at least a preset or user-defined incremental value,

iteratively set the first setting of the printing device to each of the first calibration values, where the printing device, after each iteration, prints a corresponding sample image according to the first setting, and

receive a first feedback input that identifies one of the first calibration values as preferred for the first setting;

where the controller is adapted to receive a sample value from the interface, where the sample value to identify a number of first calibration values to be derived by the controller; and

where the sample value identifies a maximum first calibration value, where the controller to cease incrementing the trigger value when one of the derived first calibration values is greater than or equal to the maximum first calibration value.

2. (Previously presented) The printing system of claim 1, wherein the controller is further adapted to:

identify a plurality of second calibration values for a second setting of the adjustable settings after receiving the first feedback input,

iteratively set the second setting of the printing device to each of the second calibration values, where the printing device, after each iteration, prints a corresponding sample image according to the second setting,

receive a second feedback input that identifies one of the second calibration values as preferred for the second setting.

3. (Original) The printing system of claim 1, wherein the controller is further adapted to

control the printing device to also print an indicium on each sample corresponding to the calibration value of the first setting being used, and

interpret the feedback input based on the indicium.

4. (Original) The printing system of claim 1, wherein the first setting is a temperature of a fuser.

5. (Original) The printing system of claim 1, wherein the first setting is a print speed.

6. (Original) The printing system of claim 1, wherein the first setting is a set of color curves.

7. (Original) The printing system of claim 1, wherein the first setting is a set of gamma curves.

8. (Original) The printing system of claim 1, wherein the first setting is a set of white point data.

9. (Previously presented) The printing system of claim 2, wherein the second calibration values are preset for the second setting.

10. (Original) The printing system of claim 1, wherein the controller is further adapted to:

receive at least one trigger value regarding the first setting,

wherein the first calibration values are derived from the trigger value.

11. (Original) The printing system of claim 10, wherein

the trigger value corresponds to an initial value.

12. (Original) The printing system of claim 11, wherein

the first calibration values are derived from an increment and the initial value.

13. (Original) The printing system of claim 11, wherein

the increment has a preset value.

14. (Canceled)

15. (Previously presented) The printing system of claim 1, wherein the controller is further adapted to:

store in the memory a preferred one of the first calibration values.

16. (Previously presented) The printing system of claim 1, wherein the controller is further adapted to:

store in the memory an identifier for the printing medium that the sample images are printed on.

17. (Original) The printing system of claim 16, further comprising:

a bar code scanner to read the identifier.

Claims 18. – 62. (Canceled).

63. (Previously presented) The printing system of claim 1 where the controller characterizes printing media having different colors or transparencies.

64. (Previously presented) The printing system of claim 1
where the controller receives the trigger value from the interface; and
where the trigger value is one of the first calibration values.

Claims 65. – 66. (Canceled).

67. (New) The printing system of claim 1 where the trigger value corresponds to a minimum first calibration value and the sample value corresponds to the maximum first calibration value.

68. (New) The printing system of claim 1 where the controller is adapted to receive an increment value from the interface and to derive the first calibration values responsive to the increment value.

69. (New) The printing system of claim 2 where the second calibration values for the second setting of the adjustable settings are preset in the memory.

70. (New) The printing system of claim 2 where the second calibration values for the second setting of the adjustable settings are derived from at least one value stored in the memory or at least one value received from the interface.